

JANUARY

at the

CALIFORNIA ACADEMY OF SCIENCES

JANUARY MEETING

DATE: Wednesday evening, January 14
TIME: 8:00 p.m. (One presentation only)
PLACE: May Treat Morrison Auditorium
SPEAKER: David Roderick
SUBJECT: "BAJA BY BURRO — THE HIGH COUNTRY"

Using three Mexican burros to pack their equipment over 500 miles of mountain wilderness, David Roderick and a fellow naturalist spent a full summer photographing the scenery, people and wildlife of Baja California's northern mountains — the Sierra de Guadalupe and Sierra San Pedro Martir. Here, stately pines flourish in a park-like setting among the splendor of lonely tranquility above chaparral-covered slopes which blend into the browns and grays of the inhospitable Colorado Desert below.

Walking provided the means for Mr. Roderick and his companion to slip into "Yesterday's Land" and record bits of the lives of cowboys and Indians, goat-herds, and pinon-nut pickers which the carbound traveler rarely sees. Joseph Wood Krutch, the eminent essayist-naturalist, remarked that "Baja is a splendid example of how much bad roads can do for a country. It must be almost as beautiful as it was when the first white man saw it in 1533. . . ." Highlights of this film in color include the sierra's annual fiesta and rodeo, a visit to Baja's largest Indian Reservation at Mission Santa Catarina, and look-sees at the mountain's plant and animal life.

"BAJA BY BURRO" records the first part of a goal set by Mr. Roderick — to walk and film the entire length of the peninsula before "progress" has taken its toll of unspoiled wilderness and primitive beauty.

He is a professor at Foothill College in Los Altos Hills, California, and a free-lance writer — photographer. He and his wife appeared before an Academy audience in 1967 and have also contributed to the pages of PACIFIC DISCOVERY.

One presentation only at 8:00 p.m. with seating on a first-come first-served basis. Should the auditorium be filled, late arrivals will be invited to enjoy the current sky show in Morrison Planetarium. Either your 1969 or 1970 membership card is your admission. 1969 cards will be honored through March of this year.

Two ways of ingress to the meeting are available: Cowell Hall, Main Entrance, and the rear Planetarium entrance off Middle Drive.

MORRISON PLANETARIUM

"STAR OF WONDER" continues through January 4. Beginning January 8 and extending through March 1:

"ORION IN WINTER." Orion, the brightest constellation of the winter skies, was once called the "California of the sky" by the noted French author and astronomer Camille Flammarion. This show is a detailed examination of both the mythology and modern concepts of Orion's tremendous variety of stars and other celestial objects.

Performances daily at 2:00 with evening shows, Wednesday through Sunday, at 8:30. Extra matinees at 3:30 on Saturdays and Sundays. Closed Monday and Tuesday nights. Admission: Adults, \$1.00, with half-price for children under 16, students with student body card, and armed services personnel.

NEWS and NOTES

THE SUCCESS OF Morrison Planetarium's astronomy courses goes on and on and it is a pleasure to once again announce those being offered beginning in late January:

CELESTIAL NAVIGATION. Starting 7:30 p.m. Monday January 26 and continuing for 16 two-hour weekly meetings. Tuition is \$30.00 and approximately \$13.00 is required for supplies. This semester will have two instructors — Captain David W. Todd, U.S.N. (Ret.) and Lieutenant Commander Frank Matthews, U.S.N.R. (Ret.), both experienced prac-

ticing navigators and navigation instructors. After the first two Monday evenings, the class will be divided into two groups of 50 each, meeting on Monday and Tuesday.

ASTRONOMY FOR FUN (AND FAMILY). Commences at 7:30 p.m. on Tuesday February 3 and will continue for a total of ten two-hour weekly sessions. Tuition is \$12.00 and \$1.50 should suffice for supplies. This course is for beginners who are interested in what goes on in the sky and why and how to derive pleasure from watching it — either with or without a telescope. We encourage both families and individuals to take advantage of this simple, basic course. Instructor: Captain Robert Risser, U.S.N. (Ret.), Planetarium Supervisor.

GREAT IDEAS OF MODERN ASTRONOMY commences at 7:30 p.m. on Tuesday February 3 and will continue for a total of ten two-hour weekly sessions. Tuition is \$18.00. Instructor: Mr. Edwin L. Duckworth of City College of San Francisco. There are no prerequisites for this course which is a non-mathematical treatment of modern theories of the universe as a whole and some detailed study of its many components.

For all three of these courses, students may register at the first three meetings after which registration closes. For further information and/or early registration, call the planetarium office, 221-5100, Extension 71.

TO THOSE generous Academy members who thoughtfully either increased their category of membership at year's end or who considerably included a bit "extra" when paying their 1970 dues — our thanks. The office staff is not such that individual letters of acknowledgement can be sent. This however does not lessen our appreciation for the help you continue to give us. Thank you again.

A REMINDER. The second Docent Training program begins on February 4. If you'd enjoy being a tour guide for school and other groups through certain areas of the Academy, here is your opportunity in a rewarding course of instruction. Telephone the Docent Office, 221-5100, (9:00 a.m. through 1:00 p.m. Monday through Friday) for further information or details.

WE HAVE HAD TWO noteworthy successes of a different nature at the CAS in past weeks. "THE STARS AND J. S. BACH" which featured Miss Margaret Fabrizio playing the harpsichord in Morrison Planetarium on November 30 was a complete sell-out and some 150 persons had to be turned away. At this writing it is anticipated that an encore concert will be arranged in late January or early February. Watch for the announcement in your newspaper as final details are not available at this time.

The second success evolved so rapidly that we were unable to publicize the fact of the first annual Fungus Fair of the San Francisco Mycological Society presented at the Academy on Sunday, December 14. However, because of the generous winter rains, it was decided to proceed with haste and it is pleasant to report that it too enjoyed a wide, wide audience and will in all probability become an annual event. Some 175 species of fungi were on view, a display which gave Steinhart Aquarium a "run for its money" on this particularly well-attended Sunday. A promise is made that next year when the fair is held the membership will be apprised well in advance.

RECENT SCIENTIFIC PUBLICATIONS of the CALIFORNIA ACADEMY OF SCIENCES

PROCEEDINGS

"Birth Activities of Some North American Scorpions". Stanley C. Williams. Vol. XXXVII, No. 1. October 22, 1969. 50c

"Amphibians and Reptiles Collected by the Street Expedition to Afghanistan, 1965". Steven C. Anderson and Alan E. Leviton. Vol. XXXVII, No. 2. October 22, 1969. 65c

OCCASIONAL PAPERS

"Early Records of the Barnacle *Balanus improvisus* Darwin from the Pacific Coast of North America". James T. Carlton and Victor A. Zullo. No. 75. October 22, 1969. 25c

"A New Scorpionfish of the Genus *Scorpaenodes* and *S. muciparus* (Alcock) from the Indian Ocean, with Comments on the Limits of the Genus". William N. Eschmeyer. No. 76. October 22, 1969. 50c

"A New Genus of Silicoflagellata from an Eocene South Atlantic Deep-Sea Core (Protozoa: Mastigophora)". York T. Mandra. No. 77. October 22, 1969. 25c

"Three New Species of Burrowing Bryozoans (Ectoprocta) from the Hawaiian Islands". John D. Soule and Dorothy F. Soule. No. 78. October 22, 1969. 35c

Meet The Staff . . .

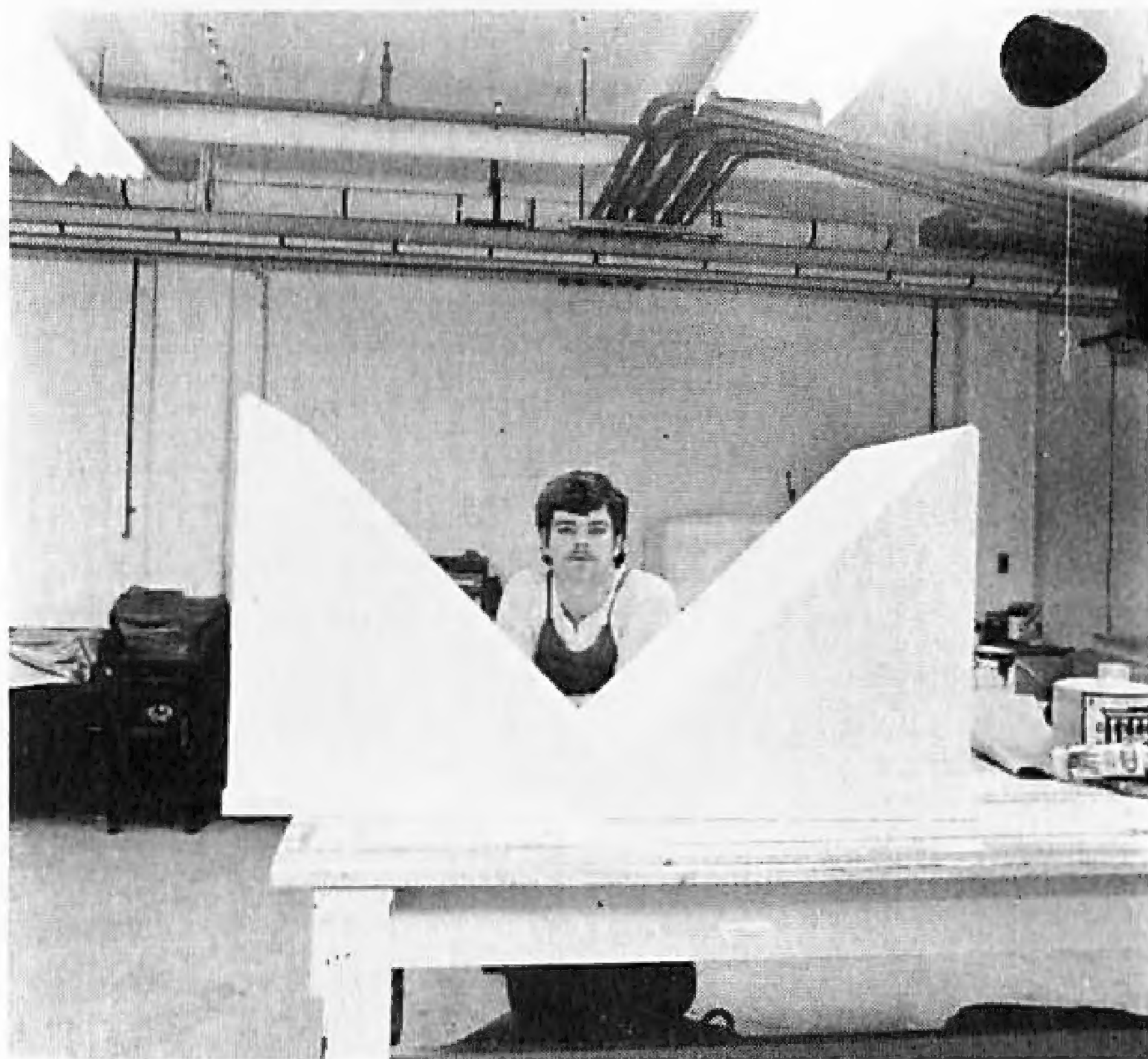


Photo by Lloyd Ullberg

RICHARD E. COOK, Assistant in the Exhibits Department, is a recent graduate from Pratt Institute, The Art School, Brooklyn, New York, where he majored in graphic arts and received his Bachelor of Fine Arts degree. His course of training accented lithography, painting and drawing.

A native of New Jersey, he has been sketching since childhood though formal training only began at Pratt. At age eleven he became "hooked" on reptiles and amphibians on reading a field guide by Roger Conant and that pre-occupation continues (as pets he presently has three snakes and a host of lizards and salamanders — all of which he has had for some time).

Summertime employment for three years was as an artist for the Monmouth County Park System. The first summer was spent lettering picnic tables which also afforded him much time alone and he was free to observe and enjoy the wildlife around him. Subsequently, his many talents found him drawing maps, designing letterheads, and creating posters for the System.

With a friend, he left the East and traveled westward to San Francisco in December 1968, arriving on Christmas Day. He searched the local telephone book for agencies and institutions which might be an outlet for his artistic talents in natural history, made application, his first, at the Academy, and went to work on January 20 of last year.

Noteworthy among the projects he has already completed is the "History of Flight" mural in the Hohfeld Hall of Space Science. Currently, he is working on the Barrett Hindes Memorial Exhibit for Cowell Hall.

He thoroughly enjoys all music (opera excepted), plays the guitar, paints and draws for his own delight and heads for the wilder shores of the natural world as time permits.

NEW MEMBERS OF THE ACADEMY

Regular Members

- | | |
|------------------------------|--------------------------------|
| Miss Judy S. Abe | Mr. Burton Lee |
| Dr. A. Al-Shamma | Dr. David L. Mackler |
| Miss Jill Altshuler | Mr. M. Martin |
| Miss Norma A. Bennington | Mr. Robert E. Mays |
| Miss Dianne L. Berard | Miss M. C. Melanephy |
| Mr. Raymond G. Bryant | Miss J. Hortense Miller |
| Mr. Robert J. Cappell | Miss Kay Milne |
| Mr. Lyle Cox Chapin | Mr. H. M. Mosher |
| Mr. Michael B. Cheney | Miss Jane N. L. Murphy |
| Mr. George M. Cook | Miss Maren McDonald |
| Mr. Leonard H. Corbett-Grant | Mrs. Mary A. McLanathan |
| Mr. Scott James Craig | Mr. Patrick McSweeney |
| Mr. Patrick F. Cox | Mr. Eugene D. Nyerbes |
| Miss Dorothy A. Cummings | Mrs. A. Pabst |
| Mrs. E. C. Cunkle | Miss Susan Gay Peck |
| Mr. James B. Cunningham | Mr. James Peirano |
| Mr. Michael J. Dalto | Miss Etta Peterson |
| Miss Anne C. Davis | Mr. & Mrs. Richard H. Peterson |
| Miss E. L. DeLuna | Miss Marion C. Pfund |
| Mrs. Ernest W. Denicke | Miss Dorothy Piranian |
| Mrs. John Dennis | Dr. Alan M. Portis |
| Mr. Harald Drews | Mrs. Helen M. Pratt |
| Mr. Richard Epstein | Mr. William E. Puffer |
| Mr. James F. Fidiom | Dr. David Rabin |
| Miss Jean R. Fitzpatrick | Miss Elizabeth D. Rieger |
| Mr. Robert J. Flynn, Jr. | Mr. Leland M. Richards |
| Mr. Gustav E. Frodell | Dr. Benjamin Robinson |
| Mr. Michael D. Fujimoto | Mrs. Mary Carr Scales |
| Dr. Jay Gershow | Mr. Horst G. Siegner |
| Mr. Richard E. Giegling | Mr. Paul D. Spangler |
| Dr. Gilbert S. Gordan | Mr. Donald R. Stiver |
| Mr. David Grunau | Mrs. Joseph Tedesco |
| Miss Lois Hansen | Miss Peggy Thorne |
| Dr. M. Robert Harris | Mr. Howard Tomasich |
| Mr. William C. Holding, Jr. | Miss Flora Torres |
| Miss Margaret Ingebretson | Miss Bertha S. Underhill |
| Miss Nancy Issel | Miss Edith Van Orden |
| Mrs. Eleanor E. Jones | Mr. George G. Watanabe |
| Mr. Richard Kasakaitis | Mr. C. Arthur Wheelock |
| Mr. Steve Kaufman | Dr. Marshall White |
| Mr. Jack D. Kendall | Miss Francis Williams |
| The Kilmer Children | Mr. James Work |
| Miss Jeanne C. Koelling | Miss Patricia E. Yap |
| Mr. Nick Krikoriantz | Miss Ana Zac |

Family Members

- | | |
|--------------------------------------|----------------------------------|
| Mrs. Eleanor Arnold | Mr. & Mrs. John D. Hanley |
| Mr. & Mrs. Edwin K. Babson | Mr. & Mrs. Robert Hosemann |
| Mr. John W. Bacon | Mr. William E. Hoskins |
| Mr. & Mrs. Fritz Baldauf | Dr. J. P. Kahn |
| Mr. & Mrs. John F. Bailey | Mr. & Mrs. Robert Kaniatobe |
| Miss Linda L. Batzloff | Dr. & Mrs. Paul D. Kaufmann |
| Mr. William T. Beeman | Mr. Carl King |
| Mr. Alvin L. Benas | Mr. Keith A. Kvenolden |
| Mr. & Mrs. Robert Berry | Dr. Ernest Lampert |
| Dr. Catherine Haney Brock | Mr. & Mrs. Henry L. Leonardi |
| Mr. John M. Cage | Dr. David Linder |
| Mr. & Mrs. John F. Caris | Mr. John T. Lyman |
| Mr. Jack C. Chapman | Mr. & Mrs. Edward Marino |
| Miss Jean A. Colon | Dr. & Mrs. A. Metcalf |
| Mr. & Mrs. Earl Cohen | Dr. Claude N. Mitchell |
| Mr. & Mrs. Arthur Davidson | Mr. Donald E. Olander |
| Dr. & Mrs. Fred Davis | Mr. Brooks Paige |
| Dr. Harold Davis | Dr. Charles F. Pearson |
| Mr. & Mrs. Homer L. Dawson | Mr. & Mrs. George H. Peters, Jr. |
| Mr. David E. Donnelley | Mr. & Mrs. W. P. Populus |
| Mr. Harry L. Ducey | Dr. Nate Purshottam |
| Mr. Duaine Eggleston | Mr. & Mrs. Herbert Rubin |
| Mr. & Mrs. Douglas Ferguson | Dr. Otto B. Schwalb |
| Mr. George H. Finger, Jr. | Mr. & Mrs. Roger E. Skjei |
| Dr. Alfred J. Fisher | Mr. Brooks Smith |
| Dr. Harvey R. Forester | Mr. & Mrs. David P. Smith |
| Mr. & Mrs. J. H. Freitag | Dr. Reagan H. South |
| Misses Marjorie & Dorothy Gansberger | Mr. Victor H. Steppan |
| Dr. A. J. Gianascol | Mr. Fred Swenson |
| Dr. Sadjia Goldsmith | Dr. Robert G. Trahms |
| Dr. Richard S. Goodman | Dr. Eugene E. Turrell |
| Mr. James Kirk Greene | Mr. Earl Underwood |
| Dr. R. H. Greenspan | Mr. & Mrs. Robert Walker |
| Mr. William B. Gubser | Dr. Tommy R. Walker |
| Dr. John Guerrant | Mrs. John Walsh |
| Mr. Donald Hadley | Dr. Gilbert A. Webb |
| Mrs. Y. Haller | Mr. & Mrs. Ralph C. Winter |
| | Mrs. A. J. Zerbo |

Contributing Members

- | | |
|------------------------------|--------------------------|
| Mr. Richard C. Burnett | Dr. Maert Kilik |
| Mr. Richard R. Burns | Dr. Walter B. Kreutzmann |
| Dr. Max E. Childress | Mr. F. L. Parker |
| Dr. John J. Demas | Mr. Rolland D. Sherwood |
| Mr. & Mrs. Larry L. Holbrook | Miss Norine M. Smith |
| Mr. Walter G. Johnson | Dr. Don Tocher |
| | Miss Mary Wong |

Subscribing Members

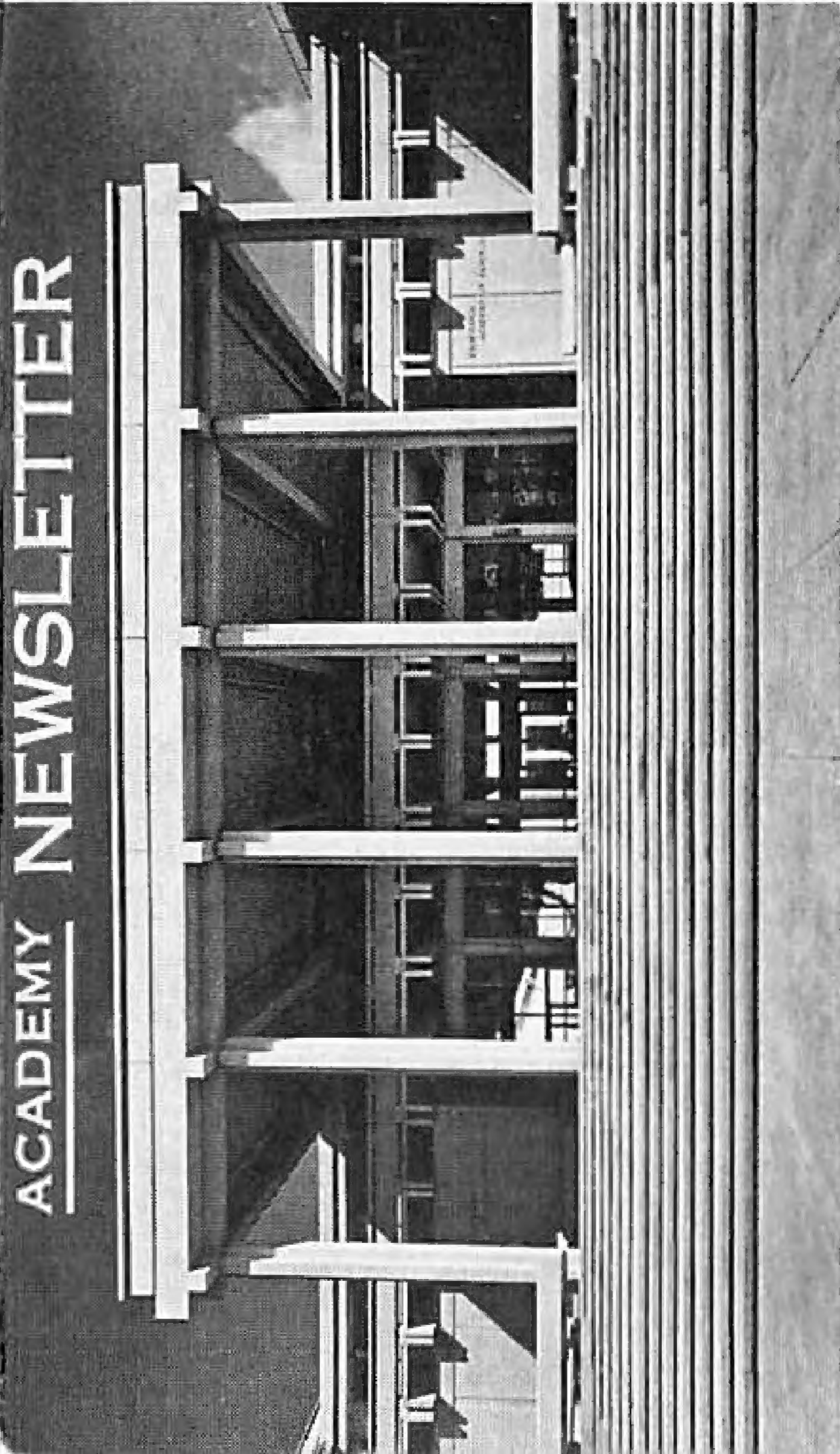
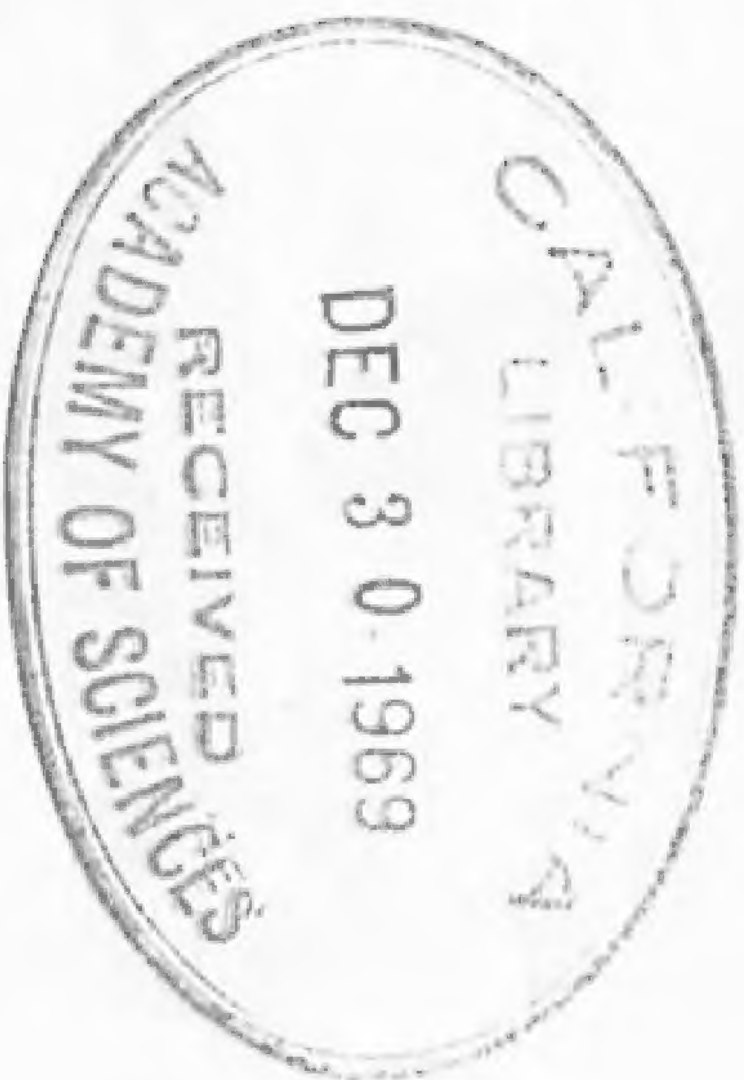
- | | |
|------------------------|--------------------|
| Mr. William C. Clement | Mrs. Thelma H. Fye |
|------------------------|--------------------|



CALIFORNIA ACADEMY OF SCIENCES
GOLDEN GATE PARK • SAN FRANCISCO 94118

Non-Profit Organization
U. S. POSTAGE
PAID
San Francisco, Calif.
Permit No. 7544

Ref.
Q 11
C22
no. 361



No. 361 — Published Monthly by the
CALIFORNIA ACADEMY OF SCIENCES
GOLDEN GATE PARK • SAN FRANCISCO 94118
JANUARY 1970